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Overall Beldfoil® Shield

High-Temperature Control and Instrumentation Cables
and Computer Cables for EIA RS-232 Applications

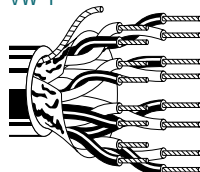
Jameco Part Number 232565
(9505-060-1000)

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Color Code	Standard Lengths		Standard Unit Weight		Insulation Thickness		Jacket Thickness		Nominal OD		Nominal Capacitance			
					Ft.	m	Lbs.	kg	Inch	mm	Inch	mm	Inch	mm	* pF/ Ft.	* pF/ m	** pF/ Ft.	** pF/ m

20 AWG Stranded Conductors (7x28) • Tinned Copper • Pairs Cabled Together • Overall 100% Beldfoil Aluminum-Kapton® Shield • Drain Wire

Tefzel® Insulation • Clear Tefzel Material Jacket

High-Temperature
300V RMS, 150°C
VW-1



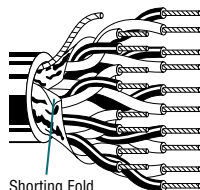
85164	4	Black & Red, Black & White, Black & Green, Black & Blue	100	30.5	8.4	3.8	.015	.38	.025	.64	.344	8.74	23	75	40	131
			500†	152.4	37.0	16.8										
			1000†	304.8	71.0	32.3										
85168	8	Black & Red, Black & White, Black & Green, Black & Blue, Black & Yellow, Black & Brown, Black & Orange, Red & White	100	30.5	13.5	6.1	.015	.38	.025	.64	.439	11.15	23	75	40	131
			500†	152.4	62.0	28.2										
			1000†	304.8	126.0	57.3										

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Color Code	Standard Lengths		Standard Unit Weight		Nom. DCR		Nominal OD		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nom. Capacitance			
					Ft.	m	Lbs.	kg	Cond.	Shield	Inch	mm			* pF/ Ft.	* pF/ m	** pF/ Ft.	** pF/ m

24 AWG Stranded Conductors (7x32) • Tinned Copper • Twisted Pairs • Overall 100% Beldfoil Shield • 24 AWG Stranded TC Drain Wire

Semi-rigid PVC Insulation • Chrome PVC Jacket

UL AWM Style 2464
(300V 80°C)
CSA AWM I A



Shorting Fold

9501	NEC: CMG CEC: CMG FT4	1	See Chart 3 (Tech Info Section)	100	30.5	2.1	1.0	24.0Ω/M'	18.0Ω/M'	.156	3.96	75	60%	40	131	74	243
				U-500	U-152.4	7.5	3.4	78.7Ω/km	59.1Ω/km								
				500	152.4	7.0	3.2										
				U-1000	U-304.8	14.0	6.4										
9502††	NEC: CMG CEC: CMG FT4 P-MSHA-SC-7K-182037	2	See Chart 3 (Tech Info Section)	100	30.5	3.7	1.7	24.0Ω/M'	17.0Ω/M'	.222	5.64	75	60%	30	98	50	164
				U-500	U-152.4	14.5	6.6	78.7Ω/km	55.8Ω/km								
				500	152.4	15.0	6.8										
				U-1000	U-304.8	28.0	12.7										
9503	NEC: CMG CEC: CMG FT4	3	See Chart 3 (Tech Info Section)	100	30.5	3.9	1.8	24.0Ω/M'	17.0Ω/M'	.232	5.89	75	60%	30	98	50	164
				U-500	U-152.4	14.5	6.6	78.7Ω/km	55.8Ω/km								
				500	152.4	15.0	6.8										
				U-1000	U-304.8	29.0	13.2										
9504	NEC: CMG CEC: CMG FT4	4	See Chart 3 (Tech Info Section)	100	30.5	4.5	2.0	24.0Ω/M'	17.0Ω/M'	.265	6.73	75	60%	30	98	50	164
				U-500	U-152.4	17.5	8.0	78.7Ω/km	55.8Ω/km								
				500	152.4	18.0	8.2										
				U-1000	U-304.8	35.0	15.9										
9505	NEC: CMG CEC: CMG FT4	5	See Chart 3 (Tech Info Section)	100	30.5	5.5	2.5	24.0Ω/M'	17.0Ω/M'	.289	7.34	75	60%	30	98	50	164
				U-500	U-152.4	22.0	10.0	78.7Ω/km	55.8Ω/km								
				500	152.4	22.5	10.2										
				U-1000	U-304.8	43.0	19.5										
				1000	304.8	44.0	20.0										

DCR = DC Resistance • TC = Tinned Copper

* Capacitance between conductors.

** Capacitance between one conductor and other conductors connected to shield.

† Spools are one piece, but length may vary ±10% from length shown.

†† Pennsylvania Department of Environmental Resources and United States Mine Safety and Health Administration certification. Request quotations of RG/U cables not listed.

See Attenuation, Rise Time and Bit Rate data for this series on page 5.10.

Tefzel and Kapton are DuPont trademarks.



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Belden® Color Code Charts

Color Code Chart No. 1

Cond. No.	Color
1	Black
2	White
3	Red
4	Green
5	Brown
6	Blue
7	Orange
8	Yellow
9	Purple
10	Gray
11	Pink
12	Tan

18 Gage conductors in cables 8446 through 8449 are Black and White.

Color Code Chart Nos. 2 and 2R — ICEA (Insulated Cable Engineers Association) Standard*

Cond. No.	Color	Cond. No.	Color	Cond. No.	Color	Cond. No.	Color
1	Black	14	Green/White Stripe	27	Blue/Black/White	40	Red/White/Green
2	White	15	Blue/White Stripe	28	Black/Red/Green	41	Green/White/Blue
3	Red	16	Black/Red Stripe	29	White/Red/Green	42	Orange/Red/Green
4	Green	17	White/Red Stripe	30	Red/Black/Green	43	Blue/Red/Green
5	Orange	18	Orange/Red Stripe	31	Green/Black/Orange	44	Black/White/Blue
6	Blue	19	Blue/Red Stripe	32	Orange/Black/Green	45	White/Black/Blue
7	White/Black Stripe	20	Red/Green Stripe	33	Blue/White/Orange	46	Red/White/Blue
8	Red/Black Stripe	21	Orange/Green Stripe	34	Black/White/Orange	47	Green/Orange/Red
9	Green/Black Stripe	22	Black/White/Red	35	White/Red/Orange	48	Orange/Red/Blue
10	Orange/Black Stripe	23	White/Black/Red	36	Orange/White/Blue	49	Blue/Orange/Red
11	Blue/Black Stripe	24	Red/Black/White	37	White/Red/Blue	50	Black/Orange/Red
12	Black/White Stripe	25	Green/Black/White	38	Black/White/Green	* 2 = Spiral Stripe 2R = Ring Band Striping	
13	Red/White Stripe	26	Orange/Black/White	39	White/Black/Green		

* 2 = Spiral Stripe
2R = Ring Band Striping

Color Code Chart No. 3 for Paired Cables (Belden Standard)

Pair No.	Color Combination	Pair No.	Color Combination	Pair No.	Color Combination	Pair No.	Color Combination
1	Black & Red	11	Red & Yellow	21	White & Brown	31	Purple & White
2	Black & White	12	Red & Brown	22	White & Orange	32	Purple & Dark Green
3	Black & Green	13	Red & Orange	23	Blue & Yellow	33	Purple & Light Blue
4	Black & Blue	14	Green & White	24	Blue & Brown	34	Purple & Yellow
5	Black & Yellow	15	Green & Blue	25	Blue & Orange	35	Purple & Brown
6	Black & Brown	16	Green & Yellow	26	Brown & Yellow	36	Purple & Black
7	Black & Orange	17	Green & Brown	27	Brown & Orange	37	Gray & White
8	Red & White	18	Green & Orange	28	Orange & Yellow		
9	Red & Green	19	White & Blue	29	Purple & Orange		
10	Red & Blue	20	White & Yellow	30	Purple & Red		

Color Code Chart No. 4 for Paired Cables

Pair No.	Color Combination	Pair No.	Color Combination	Pair No.	Color Combination	Pair No.	Color Combination	Pair No.	Color Combination
1	White & Blue	6	Red & Blue	11	Black & Blue	16	Yellow & Blue	21	Violet & Blue
2	White & Orange	7	Red & Orange	12	Black & Orange	17	Yellow & Orange	22	Violet & Orange
3	White & Green	8	Red & Green	13	Black & Green	18	Yellow & Green	23	Violet & Green
4	White & Brown	9	Red & Brown	14	Black & Brown	19	Yellow & Brown	24	Violet & Brown
5	White & Gray	10	Red & Gray	15	Black & Gray	20	Yellow & Gray	25	Violet & Gray

Color Code Chart No. 5 for Paired Cables (Western Electric Standard)

Pair No.	Color Combination	Pair No.	Color Combination	Pair No.	Color Combination	Pair No.	Color Combination	Pair No.	Color Combination
1	White/Blue Stripe & Blue/White Stripe	6	Red/Blue Stripe & Blue/Red Stripe	11	Black/Blue Stripe & Blue/Black Stripe	16	Yellow/Blue Stripe & Blue/Yellow Stripe	21	Purple/Blue Stripe & Blue/Purple Stripe
2	White/Orange Stripe & Orange/White Stripe	7	Red/Orange Stripe & Orange/Red Stripe	12	Black/Orange Stripe & Orange/Black Stripe	17	Yellow/Orange Stripe & Orange/Yellow Stripe	22	Purple/Orange Stripe & Orange/Purple Stripe
3	White/Green Stripe & Green/White Stripe	8	Red/Green Stripe & Green/Red Stripe	13	Black/Green Stripe & Green/Black Stripe	18	Yellow/Green Stripe & Green/Yellow Stripe	23	Purple/Green Stripe & Green/Purple Stripe
4	White/Brown Stripe & Brown/White Stripe	9	Red/Brown Stripe & Brown/Red Stripe	14	Black/Brown Stripe & Brown/Black Stripe	19	Yellow/Brown Stripe & Brown/Yellow Stripe	24	Purple/Brown Stripe & Brown/Purple Stripe
5	White/Gray Stripe & Gray/White Stripe	10	Red/Gray Stripe & Gray/Red Stripe	15	Black/Gray Stripe & Gray/Black Stripe	20	Yellow/Gray Stripe & Gray/Yellow Stripe	25	Purple/Gray Stripe & Gray/Purple Stripe

